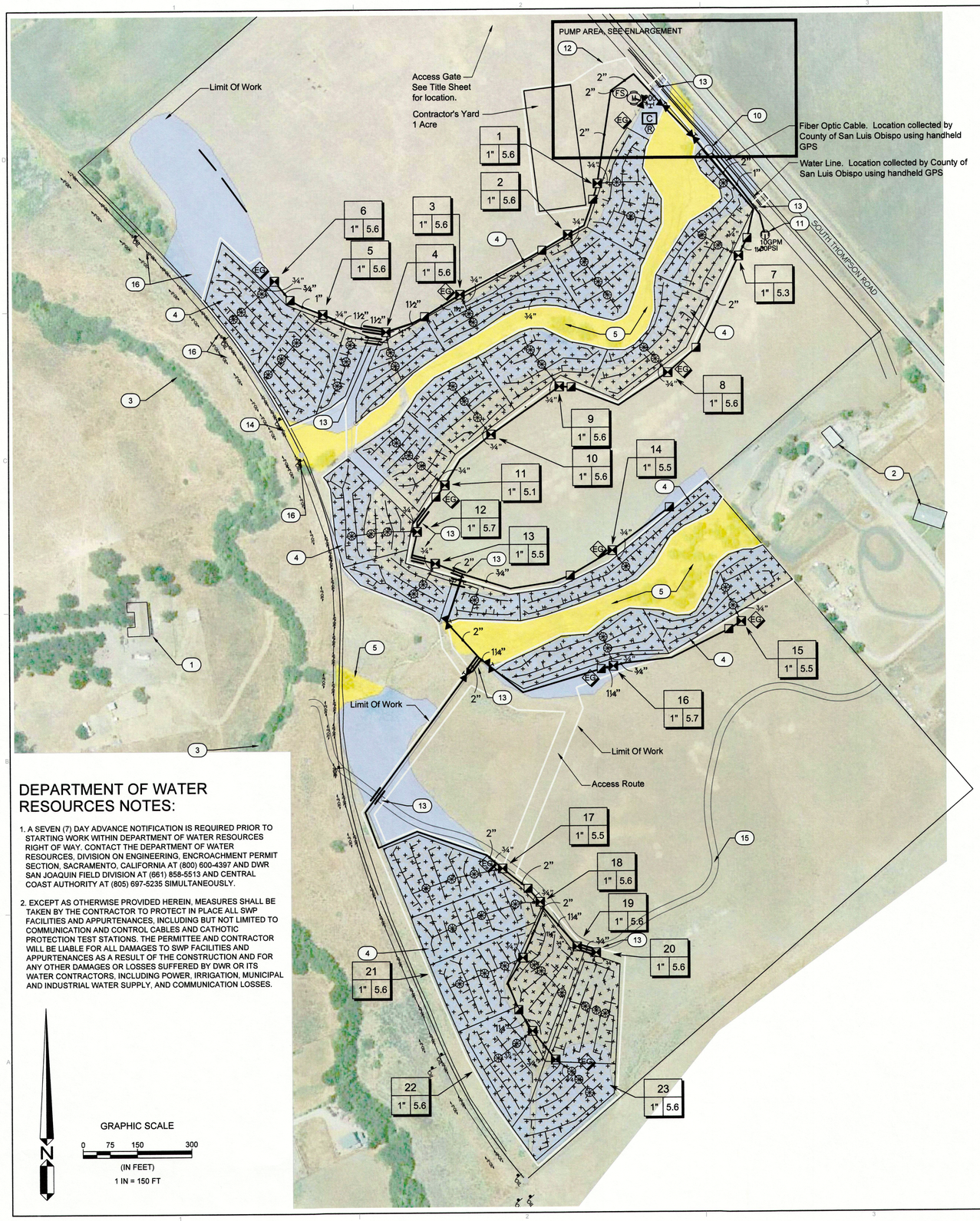


DEPARTMENT OF WATER RESOURCES NOTES:

1. A SEVEN (7) DAY ADVANCE NOTIFICATION IS REQUIRED PRIOR TO STARTING WORK WITHIN DEPARTMENT OF WATER RESOURCES RIGHT OF WAY. CONTACT THE DEPARTMENT OF WATER RESOURCES, DIVISION ON ENGINEERING, ENCROACHMENT PERMIT SECTION, SACRAMENTO, CALIFORNIA AT (800) 600-4397 AND DWR SAN JOAQUIN FIELD DIVISION AT (661) 858-5513 AND CENTRAL COAST AUTHORITY AT (805) 697-5235 SIMULTANEOUSLY.

2. EXCEPT AS OTHERWISE PROVIDED HEREIN, MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT IN PLACE ALL SWP FACILITIES AND APPURTENANCES, INCLUDING BUT NOT LIMITED TO COMMUNICATION AND CONTROL CABLES AND CATHOTIC PROTECTION TEST STATIONS. THE PERMITTEE AND CONTRACTOR WILL BE LIABLE FOR ALL DAMAGES TO SWP FACILITIES AND APPURTENANCES AS A RESULT OF THE CONSTRUCTION AND FOR ANY OTHER DAMAGES OR LOSSES SUFFERED BY DWR OR ITS WATER CONTRACTORS, INCLUDING POWER, IRRIGATION, MUNICIPAL AND INDUSTRIAL WATER SUPPLY, AND COMMUNICATION LOSSES.

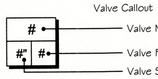
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3

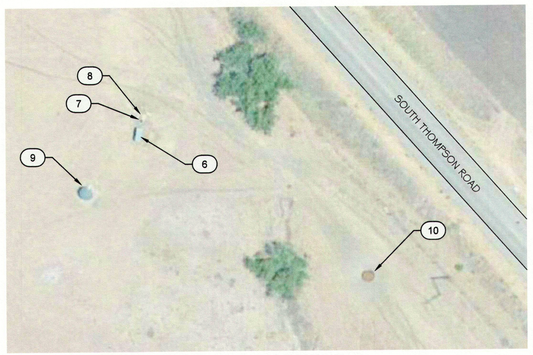
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird XCZ-100-PRB-COM, or approved equal Drip Control Kit, 1" PEB5 valve, 1" Basket Filter, ICD-100 1 Station Decoder for ACC, and 40psi Pressure Regulator, 1" Ball Valve.	23
	Area to Receive Drip Emitters Rain Bird Xeri-Bug XB, or approved equal Single outlet pressure compensating drip emitter, barbed inlet, Red=2.0gph. Emitter Notes: Acorn plant to receive 1 2DPC emitter.	995,296 s.f.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird 44LRC, or approved equal 1" Quick Coupler Valve, two piece body, locking cover	14
	KBI WLT-5, or approved equal PVC Schedule 40 Ball Valve, Slip X Slip At creek crossings provide one union on upstream side of pipe for winterizing, see specifications.	6
M	Griswold 2160 2", or approved equal Master Valve - Normally open	1
R	KBI KC, or approved equal PVC spring check valve, same size as pipe. KC-0750 for 3/4", KC-1000 for 1", KC-1250 for 1-1/4", KC-1500 for 1-1/2", KC-2000 for 2".	62
C	Hunter ACC-99D< or approved equal 2-Wire Decoder Controller with 99 station capacity, metal cabinet. Wall Mount	1
R	Hunter MINI-CLIK or approved equal Rain Sensor, mount on electrical backboard	1
FS	Hunter FLOW-CLIK-200, or approved equal Flow Sensor SOV with Interface Panel, 2" Schedule 40 Sensor Body, 24 VAC, 2 amp, install Interface Panel as required.	1
T	Cattle Trough - 8` diameter galv steel, see specifications relocate existing cattle trough	1
EG	Earth Grounding Location Connect to valve decoder	10
	Irrigation Lateral Line: UVR PVC Schedule 40 Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size.	29,871 l.f.
	Irrigation Mainline: UVR PVC Schedule 40	7,878 l.f.
	Pipe Sleeve: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 30 inches beyond edges of travelled way.	364 l.f.

Valve Callout





EXISTING PUMP AREA ENLARGEMENT — NOT TO SCALE

IRRIGATION NOTES:

1. THE SYSTEM DESIGN SHOWN IS BASED UPON A MINIMUM PRESSURE OF 70 PSI AT A MAXIMUM DISCHARGE OF 30 GPM. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. THIS PROJECT'S POINT OF CONNECTION IS THE NEW 2½" PVC PIPE AT THE NEW IRRIGATION PUMP, SEE CIVIL PLANS - SHEET C-2.

2. ALL WORK SHALL CONFORM TO LOCAL AND STATE CODES AND ORDINANCES AND THE PLANS, DETAILS AND NOTES FOR THIS PROJECT. READ THOROUGHLY AND BECOME FAMILIAR WITH THE INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.

3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INCLUDING, BUT NOT LIMITED TO, UNDERGROUND UTILITIES AND STRUCTURES. THE WORK INCLUDES THE RESPONSIBILITY FOR THE INSTALLATION OF IRRIGATION SLEEVING.

4. LAYOUT SHOWN IS DIAGRAMMATIC. IRRIGATION PIPING AND COMPONENTS MAY BE SHOWN OUTSIDE ACORN PLANTING AREAS FOR CLARITY. INSTALL IRRIGATION PIPING AND WIRING ON GRADE IN PLANTING AREAS AND ON NON-CATTLE SIDE OF NEW FENCE WHENEVER POSSIBLE. ALL IRRIGATION PIPES AND IRRIGATION WIRE SLEEVES WITHIN THE CATTLE GRAZING AREAS SHALL BE BURIED 18" DEEP. INSTALL IRRIGATION VALVES ON THE UP HILL SIDE OF THE PLANTING AREA. INSTALL CONTROLLER IN LOCATION NOTED PER DETAIL 3, SHEET L-3. CATTLE TROUGH IS TO BE LOCATED WITHIN THE CATTLE GRAZING AREA. THE WATER PIPE SUPPLYING WATER TO THE TROUGH SHALL BE BURIED 18" DEEP.

5. THE WATER LINE FOR THE RELOCATED TROUGH SHALL BE EXTENDED FROM THE EXISTING LOCATION TO THE NEW LOCATION, APPROXIMATELY 250 FEET. SEE CIVIL SHEET C-2 FOR TIE IN DETAIL.

6. CONTRACTOR TO PROVIDE IN-LINE SPRING VALVES AS SHOWN AND WHEREVER A MINIMUM OF EVERY 10 FEET OF ELEVATION DROP OCCURS FROM THE VALVE.

7. DO NOT PROCEED WITH THE INSTALLATION OF THE SYSTEM WHEN IT IS EVIDENT THAT FIELD CONDITIONS OR DIFFERENCES EXIST THAT COULD NOT HAVE BEEN CONSIDERED IN ENGINEERING OR IF DISCREPANCIES IN CONSTRUCTION DRAWINGS, DETAILS, AND NOTES ARE DISCOVERED. BRING ALL SUCH DIFFERING FIELD CONDITIONS AND DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.

8. SEE IRRIGATION SCHEDULE FOR PIPING MATERIAL. SEE DRAWING AND SCHEDULE FOR PIPE SIZES. SIZE CALLOUTS ON DRAWINGS INDICATE NOMINAL PIPE SIZE. UNLABELED SECTIONS ARE THE NOMINAL SIZE OF THE PRECEDING CALLOUT. SUBSEQUENT CALLOUTS INDICATE CHANGE IN PIPE SIZE.

9. UNLESS OTHERWISE NOTED, TRENCHING DEPTHS FOR SLEEVES SHALL BE 30". DEPTH SHALL BE MEASURED FROM THE TOP OF PIPE TO FINISHED SOIL LEVEL. SLEEVES SHALL EXTEND 30" BEYOND EDGE OF TRAVELED WAY AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE DURING CONSTRUCTION. BACKFILL WITH CLEAN MATERIAL FROM EXCAVATION. REMOVE ROCKS AND DEBRIS LARGER THAN 1" DIAMETER. SLEEVES SHALL BE TWICE THE PIPE DIAMETER OR 3" MINIMUM, 3/4" MINIMUM FOR WIRING. ALL TRENCHING SHALL BE MINIMIZED. IT IS THE INTENT OF THESE DRAWINGS TO PLACE ALL PIPE ON GRADE EXCEPT WHERE TRENCHING IS REQUIRED TO PROTECT THE PIPE FROM VEHICULAR TRAFFIC, CATTLE, OR AT VALVE AND GROUNDING LOCATIONS.

10. PRIOR TO BACKFILLING, FLUSH AND TEST MAINS AND LATERALS. FLUSH MAINS BEFORE INSTALLING VALVES. FLUSH LATERALS BEFORE INSTALLING EMITTERS. SUBJECT MAINS TO HYDROSTATIC PRESSURE OF 1.5 TIMES THE ANTICIPATED OPERATING PRESSURE (MIN. 105 PSI) FOR TWO HOURS.

11. THE FINAL LOCATION OF THE IRRIGATION CONTROLLER SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. IT SHALL BE LOCATED ON THE NEW PUMP PANEL TO ACCESS POWER. THE CONTROLLER SHALL BE IN A WEATHERPROOF ENCLOSURE.

12. ALL ON-GRADE LOW VOLTAGE CONTROLLER WIRES SHALL BE PLACED IN UV STABILIZED CLASS 200 PVC PIPES TO PROTECT THEM FROM RODENTS. LOCATE WIRE SLEEVES ADJACENT TO THE IRRIGATION MAINLINE.

13. THE TWO WIRE SYSTEM REQUIRES EARTH GROUNDING. CONTRACTOR SHALL GROUND THE FINAL DECODER IN EVERY WIRE RUN, SEE DETAIL 9, SHEET L-3 FOR GROUNDING INSTRUCTIONS. ADDITIONALLY EVERY 12TH DECODER, OR 1000 FT OF WIRE RUN SHALL HAVE A GROUNDING ROD. SEE PLANS FOR GROUNDING LOCATIONS.

14. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE AND UNIFORM IRRIGATION OF ALL PLANTED ACORNS. ADJUST REMOTE CONTROL VALVE PRESSURE REGULATOR AND FLOW CONTROL TO BALANCE EACH LATERAL SYSTEM AND TO ENSURE PROPER VALVE CLOSURE TIME.

15. A COMPLETED IRRIGATION SYSTEM MUST BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

16. THE IRRIGATION SYSTEM SHALL BE MAINTAINED IN PROPER OPERATING CONDITION FOR THREE YEARS PER THE SPECIAL PROVISIONS.

LEGEND

1	EXISTING DANA ADOBE
2	EXISTING PRIVATE RESIDENCE
3	EXISTING NIPOMO CREEK
4	OAK MITIGATION AREAS
5	RIPARIAN RESTORATION BY LAND CONSERVANCY- NO CONSTRUCTION DISTURBANCE
6	EXISTING GENERATOR, SALVAGE TO OWNER
7	EXISTING WELL PUMP - SEE SHEET C-2
8	EXISTING WELL - PROTECT IN PLACE
9	EXISTING WATER TANK - PROTECT IN PLACE
10	EXISTING CATTLE TROUGH - TO BE RELOCATED
11	RELOCATE EXISTING CATTLE TROUGH, INSTALL ON LEVEL GRADED PAD AND EXTEND 1" WATER LINE FROM CURRENT LOCATION TO NEW LOCATION
12	NOT USED
13	GATE & PIPE SLEEVE IN BARB WIRE FENCE, SEE SHEET L-1
14	EXISTING GATE - MAINTAIN ACCESS TO GATE
15	PROPOSED FUTURE DANA ADOBE ROAD LOCATION - N.I.C.
16	EXISTING GAS COMPANY EQUIPMENT - PROTECT IN PLACE

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WALLACE SWANSON INTERNATIONAL
612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

REGISTERED LANDSCAPE ARCHITECT
LIC. #4038
ANN SEVER
(SIGNATURE)
02-28-14
RENEWAL DATE
10/15/12
DATE
STATE OF CALIFORNIA

SIGNATURE
10/15/2012
DATE SIGNED

SWCA ENVIRONMENTAL CONSULTANTS

Willow Road Off-Site Oak Mitigation
Irrigation Plan
South Thompson Road, Dana Adobe Property

JOB #: 750-03
DESIGNERS: EAS
DRAWN BY: EAS
DATE: 10/15/2012

DRAWING NO.
L-2
4 OF 9 SHEETS